Coverslippers

Cryostats

Fume Extractors

Microtomes

Stainers

Centrifuges

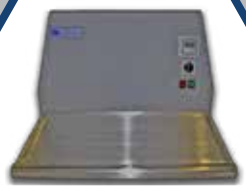
Lab Storage

Microwave Tissue Processors

Consumables

Hacker

Instruments & Industries Inc



2015

1132 Kincaid Bridge Road • P.O. Box 1176 • Winnsboro, South Carolina 29180

Tel: (803) 712-6100 • Fax: (803) 712-6116

HACKERLAB@AOL.COM • www.hackerinstruments.com

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Prices and specifications subject to change without prior notice

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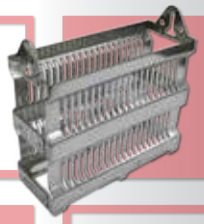
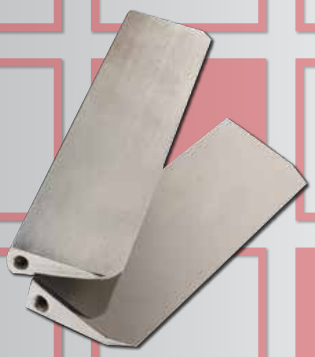
Your source for
Laboratory Organization & Storage Supplies
Microtome Knives
Hacker Ancillaries & Consumables
Cryostat & Microtome Accessories
Cytology Consumables



Tidylab



from Hacker
Instruments & Industries Inc.
Since 1942

TidyLab Products can be found on page 45

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

ORDERING INFORMATION

By Phone

Orders can be placed 9am-5pm EST by calling (803) 712-6100

By Fax

Orders can be faxed to (803) 712-6116

By Email

Orders can be emailed to HACKERLAB@AOL.COM

Please include P.O. #, billing and shipping address, phone number, and any special shipping instructions on all fax and email orders

Terms

F.O.B. Winnsboro, SC. Net 30 Days. All prices and specifications subject to change without notice.

Additional Services

Service
H/I maintains a nationwide network of factory trained, independent service organizations as well as a fully staffed, in-house service department. The service department can be reached by calling 1-800-4-HACKER.

Service Contracts
Service contracts are available for all H/I instrumentation. Contracts for service will be quoted on an individual basis. Discounts are available for multiple units located in the same facility.

Trade-Ins
H/I welcomes trade in units when purchasing a new one. Discounting rates quoted on an individual basis.

Refurbished Units
H/I maintains an inventory of affordable priced refurbished units. All refurbished units come with a full warranty. Prices are quoted on an individual basis.

HistoPro 3030 Stainer

MADE IN THE USA

HistoPro® 3030 offers continuous load, multi-protocol, automated slide staining in a compact, price-conscious package.

- Compact Footprint: Only 34” (86 cm) wide
- 30 Stations
- Continuous Load with Multiple Protocols
- 5 Rinse Stations
- 2 Water Inlets
- State-of-the-Art, User-Friendly Operator Interface with Touch Screen
- Built-In Fume Extraction Can Connect to Lab Fume Exhaust System
- Designed and Manufactured in the USA

www.hackerinstruments.com

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HistoPro 3030

Specifications

Capacity	
Number of Stations:	*30*
Number of Rinse Stations:	*5 (user selectable)*
Rinse Water Flow Control:	*Individually adjustable for 4 stations*
Number of Water Inlets:	*2*
Number of Load Station:	*1*
Number of Unload Station:	*2*
Unload Station with Xylene for H & E Stains:	*1*
Unload Station with Water for Special Stains:	*1*
Reagent Container Volume:	*350 ml*
Slide Carrier Capacity:	*30 slides*
Number of Drying Stations:	*2*
Drying Station Temperature Range:	*40^0 C - 70^0 C*

User Interface	
Display:	*Active matrix TFT 6.5” display*
Touch Screen:	*Resistive touch pad*
Number of Programs:	*50*
Number of Steps in a Program:	*100*
Program Download/Upload:	*Via USB port*

Physical Characteristics	
Width:	*34” (86.4 cm)*
Depth:	*25” (63.5 cm)*
Height:	*19” (48.3 cm)*
Weight:	*70 lbs (32 kg)*

Electrical Characteristics	
Voltage:	*115 Volts AC or 230 volts AC, 50/60 Hz*
Power	*1500 Watts maximum*

Prices and specifications subject to change without prior notice

H /I Linear Stainer MKII

Linear Stainer for Histology & Cytology

Features & Benefits

Capacity	*Typically 1 to 1,200 slides per hour, 2,400 maximum*
Continuous Throughput	*Slide baskets with 1 to 20 slides can be loaded and stained at any time*
Economizes Reagent Use	*Test studies have proven that the Linear Stainer reduces reagent consumption up to 40%. Add in the cost of solvent disposal and reagent savings up to 60% can be achieved*
Safety	*Fume control is provided by 2 carbon cassettes, for a healthier lab environment. Airflow is maintained by 2 axial fans. When unit is switched on, there is a positive airflow downward through the processing chamber, away from the operator. Loading, processing and unloading zones have individual covers*
Flexibility	*27 stations can be configured to accommodate all routine staining procedures and many special protocols. All stations are tapped to accommodate running water. Water and drain lines are accessible from both ends*
Compatibility	*Standard slide baskets interface with automated coverslippers. No need to unload and reload slides before coverslipping can begins*
User Friendly	*Straight forward, easy to use operation. No programming skills required*
Extremely Reliable / Low Maintenance Operation	*Internal spill tray prevents leaks and corrosion. Optical switches control all mechanical functions, virtually eliminating downtime. Special material reagent baths prevent warping. Solid construction and design.*

***Dimensions**: 59" (L) x 22" (W) x 15.5" + 2.5" (H); Weight 128 lbs*
***Voltage range** 108-125 V 60 Hz, or 220 - 240 V 50 Hz*

Complete with: 27 stations; 16 stations can be used for running water; timers for staining and drying time; slide agitation; 5 standard slide baskets; 5 hanger/adapters; 25 baths for xylene and stains, brown; 2 cassettes including carbon pillows; tubing and connectors for water line and drain; fume extraction by 2 axial fans with activated carbon filters.

MADE IN THE USA

Top View

Control Panel

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

Linear Stainer MKII

Ancillaries & Replacements

Cat. No.		Price
15 00 17	H/I Linear Stainer MKII	Please Call
15 70 12	Bath for running water (blue)	Please Call
15 70 12-1	Bath for running water (brown) - *special order*	Please Call
15 70 13	Bath for xylene and stains (brown)	Please Call
15 70 34	Hanger Adaptor for Hacker and Sakura Slide Baskets	Please Call
157020RBI	Slide Basket, plastic (black, raton) for HCM 6000	Please Call
387500	Slide Baskets, plastic (beige)	Please Call
157020MPB	Slide basket, plastic, for Hacker-Meisei RCM (requires adapter #15 70 28)	Please Call
15 70 20	Slide basket, metal, for Hacker-Meisei RCM (requires adapter #15 70 28)	Please Call
15 70 28	Hanger Adaptor for beige and Meisei baskets (#387500 & 157020MPB)	Please Call
157069MPB	Insert for using 15 70 20MPB with Meisei Coverslipper	Please Call
15 70 03	Replacement carbon pillows, universal activated, 2 sets of 2	Please Call
15 70 11	Operators manual	Please Call
15 70 15	Service manual	Please Call

Linear Stainer Ancillaries & Replacements available online *@ www.tidylabstore.com*

Prices and specifications subject to change without prior notice

Concorde

Automated Slide Stainer & Coverslipper System

DISTINCTIVE FEATURES OF THE CONCORDE

EASY TO USE

Easy to programming and change between programs. Protocols for up to 10 staining programs can be stored.

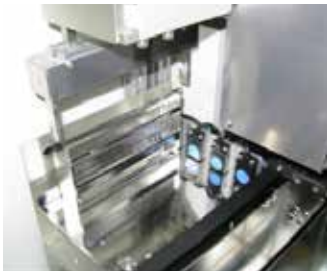
CONTINUOUS PROCESSING FROM STAINING TO COVERSLIPPING

automatic delivery of a carry vessel

Using an automated conveyor system to combine an autostainer with a coverslipper specimen preparation of can be done safely and efficiently; no manual change of baskets and xylene reservoirs are necessary.

PROCESSING MORE SLIDES WITH LESS MANUAL HANDLING

The stainer is equiped with automatic pick-up and release system for baskets, and automatic pick-up system for empty baskets. With these systems, baskets placed in the preperation reservoir are processed according to a select program in order. The coverslipper can perform to mount continuously maximum 80 slides (for 2 baskets) at once.



automatic pick-up of an empty basket

NEW FUNCTION FOR BETTER STAINING

The automatic agitation system makes it possible to agitate baskets in the reservoirs, which brings better, uniform, and consistant staining. The stainer is equiped with maximum of 28 reservoirs; accordingly, it is possible to use many kinds of solutions necessary for deparrafin, de-hydration, clearing, etc.

automatic agitation system

TITANIUM RESERVOIR & RESERVOIRS FOR RUNNING WATER

reservoir for running water

2 of the 28 reservoirs can be used for running water. The two running water reservoirs employ an over-flow system and have adjustable flow volume. In addition, 1 titanium reservoir, which is resistant to corrosive reagent solution like the hydrochloric acid alcohol solution used in differentiation process in HE staining, is available as one of the standard accessories.

ALARM & SAFETY FUNCTIONS

Audible alarm and alarm messages in LCD panel indicate abnormalities, in case of trouble or mishandling. When a descending baskets happens to touch a reservoir or other baskets, the Descent Abnormality Safety system prevents slides from breaking.

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Prices and specifications subject to change without prior notice

SPECIFICATIONS

DIMENSIONS OF THE BODY:	STAIN & COVERSLIPPER SYSTEM: 66.5" / 1690mm (W) x 29" / 730mm (D) x 22" / 560mm (H) SIZE OF AUTOSTAINER: 44.5" / 1130mm (W) x 25" / 640mm (D) x 19.5" / 490mm (H)
STAINING PROCESS CAPACITY:	160 SLIDES (CONTINUOUS RUN OF ONE CYCLE)
ADJUSTABLE STAINING PROCESS TIME:	1 SEC - 59min, 59sec. / RESERVOIR
COVERSLIP PROCESS SPEED:	240 SLIDES/HOUR, MAX. 80 SLIDES/RUN
STAINLESS STEEL BASKET CAPACITY:	UP TO 40 SLIDES
RESERVOIR / VOLUME:	550ml (STAINLESS STEEL)
NUMBER OF RESERVOIRS:	28 RESERVOIRS, INCLUDING TWO FOR RUNNING WATER
RUNNING WATER RESERVOIR SYSTEM:	OVER-FLOW SYSTEM WITH DRAINAGE (STAINLESS STEEL)
NUMBER OF RUNNING WATER RESERVOIRS:	MAXIMUM TWO RESERVOIRS
PREPARATION VESSEL:	2 UNITS (A & B RESERVOIRS) (STAINLESS STEEL)
CARRY VESSEL:	1 UNIT (STAINLESS STEEL)
PROGRAM MEMORY:	MAXIMUM 10 PROGRAMS
OPERATION PANEL:	INDICATION screen, SELECTION switch, POWER switch, EMERGENCY switch, MOUNTER ONLINE switch
MESSAGES:	REST PROCESS TME, RESERVOIR POSITION, WARNING message, ERROR message, BASKET CONTAINER LED indication
ALARM:	AUDIBLE ALARM IN WARNING AND ABNORMALITY
CONSTANT VOLTAGE:	100V +/- 10V, 50/60Hz
CONSUMPTION POWER:	LESS THAN 200VA
GROSS BODY WEIGHT:	309lb (140Kg)

Standard Accessories (included): *(4) 40-slide stainless steel baskets; (26) stainless steel reservoirs; (1) Titanium reservoir; (2) stainless steel running water reservoirs; (2) preparation vessels (with lid); (1) carry vessel (with lid); (1) set of lids for reservoirs; (4) rack for slides (for Coverslipper); (1) basket vessel (for Coverslipper)*

Concorde Automated Slide Stainer & Coverslipper System — Cat. No. 38 00 50

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Prices and specifications subject to change without prior notice

CellStain Staining Systems

Cellstain-6

For all staining tasks in

Haematology
Blood and bone marrow

- May-Grunwald
- Giemsa
- Wright
- Pappenheim
- Leishman

Bacteriology

- Gram staining
- Fluorescence staining & cold staining of mycobacterium tuberculosis

Specifications

- Slideholder for 8, 20 or 30 slides
- 6 troughs (standard, 500ml) with lid
- 1 water rinse station (optional)
- Slide dryer, adjustable from 40°C to 80°C (optional)
- 2 routine programs saveable with up to 30 steps each
- Optionally available fume desk extraction hood

- Dimensions: (WxDxH): 46x29x35cm (without cable)
- Weight: ca. 10kg
- Safety: CE certified
- Voltage: 100-127V 60Hz or 208-240V 50Hz

Cellstain-7

The cost efficient stainer for staining tasks in

Haematology
Blood and bone marrow

- May-Grunwald
- Pappenheim
- Leishman

Bacteriology

- Gram staining

Specifications

- Slideholder for up to 25 slides
- 6 troughs (standard, 500ml) with lid
- 1 water rinse station (optional)
- 1 slide dryer (without heater)
- 4 preinstalled staining programs; can be changed for your lab individually
- Optionally available fume desk extraction hood

- Dimensions: (WxDxH): 49x16x30cm
- Weight: ca. 6kg without reagents
- Safety: CE certified
- Voltage: 12V DC via external power adaptor

Prices and specifications subject to change without prior notice

Cellstain-15

The economic stainer for
HE stain and **Papanicolaou stain**

Specifications

- Slideholder for up to 30 slides
- 15 troughs (standard, 500ml) with lid
- 1 water rinse station (optional)
- 25 staining programs can be saved, eash up to 30 steps
- Optionally available with fume desk extraction desk hood and / or heating through

- Dimensions: (WxDxH): 100x28x35cm
- Weight: ca. 16kg
- Safety: CE certified
- Voltage: Voltage: 100-127V 60Hz or 208-240V 50Hz

Cellstain-23

The optimal stainer for
Papanicolaou stain, **HE stain** & **Feulgen stain for DNA image cytometry**

Specifications

- Slideholder for up to 30 slides
- 23 troughs (standard, 500ml) with lid
- 1 water rinse station (optional)
- 20 staining programs can be saved, each up to 30 steps
- Optionally available with fume desk extraction desk hood and / or heating through

- Dimensions: (WxDxH): 160x28x35cm
- Weight: ca. 25kg
- Safety: CE certified
- Voltage: Voltage: 100-127V 60Hz or 208-240V 50Hz

Cellstain-6	Cat. No. 26 80 05
Cellstain-7	Cat. No. 26 80 06
Cellstain-15	Cat. No. 26 80 05
Cellstain-23	Cat. No. 26 80 06

Prices and specifications subject to change without prior notice

CellSpin

Cytocentrifuge

Advantages & Benefits

- *Acquire outstanding results routinely for thin-layer cytology.*
- *Available with 4, 8, & 12 position cytocentrifuge rotors.*
- *Cell Spin II offers selectable acceleration speeds and stopping times for gentle cell treatment.*
- *Both single and double Cellfunnels*

Safety Features

- *Metal case and lid; safety catch to prevent lid from falling.*
- *Lid lock emergency release**
- *Motor & Boiler overheating protection**
- *Unbalance cut-off.*
- *Simple rotor change.*
- *Automatic rotor recognition*

Specifications

- *Programmable up to 99 minutes.*
- *Up to 3 programs can be saved**
- *The speed is selectable between RPM or RCF from 100 to 6,000 rpm or 100 to 18,000* rpm.*
- *The acceleration* can be set to fast, medium, or slow in order to protect the cells.*
- *The stopping times* are programmable for gentle cell treatment.*
- *Alarm function indicates unbalance.*

**available only on CellSpin II*

	CellSpin I - 4	CellSpin I - 8	CellSpin I - 12	CellSpin II - 12
Cellclip rotor	4 positions	8 positions	12 positions	12 positions
Clips	4 cell clips	8 cell clips	12 cell clips	12 cell clips
Cat. No.	JC 100230/4	JC 100230/8	JC 100230/12	JC 200230/12
List Price	Please Call	Please Call	Please Call	Please Call

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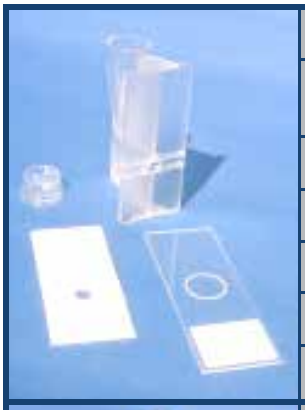
Prices and specifications subject to change without prior notice

CellSpin

Consumables & Accessories

All Accessories Compatible with CellSpin™ and CytoSpin™

	Cat. No.		Price USD
	JC304	Cellfunnel reusable 12 pieces (only in combination with JC305)	Please Call
	JC305	Filtercards for Cellfunnel JC304 - 200 pieces	Please Call
	JC310	Slides Single circle uncoated - 100 pieces	Please Call
	JC311	Slides Single circle coated - 100 pieces	Please Call
	JC320	Cellfunnel disposable - 100 pieces	Please Call
	JC320/500	Cellfunnel disposable - 500 pieces	Please Call
	JC306	Double Cellfunnel reusable 12 pieces (only in combination with JC307)	Please Call
	JC307	Filtercards for Double Cellfunnel JC306 - 500 pieces	Please Call
	JC309	Slides Double circle uncoated - 100 pieces	Please Call
	JC312	Slides Double circle coated - 100 pieces	Please Call
	JC321	Double Cellfunnel disposable - 100 pieces	Please Call
	JC321/500	Double Cellfunnel disposable - 500 pieces	Please Call
	JC313	ECOfunnel reusable - 12 pieces	Please Call
	JC314	ECO seal for ECOfunnel - 100 pieces	Please Call
	JC315	ECO slides coated - 100 pieces	Please Call
	JC322	ECOfunnel disposable - 100 pieces	Please Call
	JC322/500	ECOfunnel disposable - 500 pieces	Please Call
	JC390	Stainless steel clip for Shandon® centrifuge, Box of 6	Please Call
	JC320	Cellcip for Cellspin (no picture), Box of 6	Please Call

Hacker's full line of Cytology Consumables available online @ www.tidylabstore.com

Prices and specifications subject to change without prior notice

This isn't science fiction

Now you can enjoy the benefits of rapid tissue processing with greater efficiency and processing capacity. MARS is the state-of-the-art microwave system, manufactured by the worldwide leader in microwave laboratory instrumentation.

- MARS processes up to 180 cassettes per run, or anything in between. One processing module does all. No need to purchase separate modules for processing more or less specimens.
- All operating systems are contained in one unit. Standard printers can be interfaced via conventional connectors for print outs of runs and procedures.
- MARS uses fiber optic temperature control - the most advanced and accurate means of controlling temperature. This feature provides shorter cycle times by allowing a faster rate of heating. Boil-overs are eliminated.

MARS Microwave Tissue Processor

Overall Dimensions: 25” (D) x 20” (W) x 23” (H); 120 lbs; Power Supply: 208-230 V, 50/60 Hz

Complete with: 110 or 180 Cassette Rack; Three (3) Processing Modules (1 Reagent, 1 Vacuum, 1 Paraffin); Three (3) Tray Carriers / Positioning Plates; One (1) Multi-Function Process Lid; Integrated Windows Touchsceen Control Module; Integrated Vacuum System

MARS 110 Package	Cat. No. 26 80 05
MARS 180 Package	Cat. No. 26 80 06

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Prices and specifications subject to change without prior notice

MARS

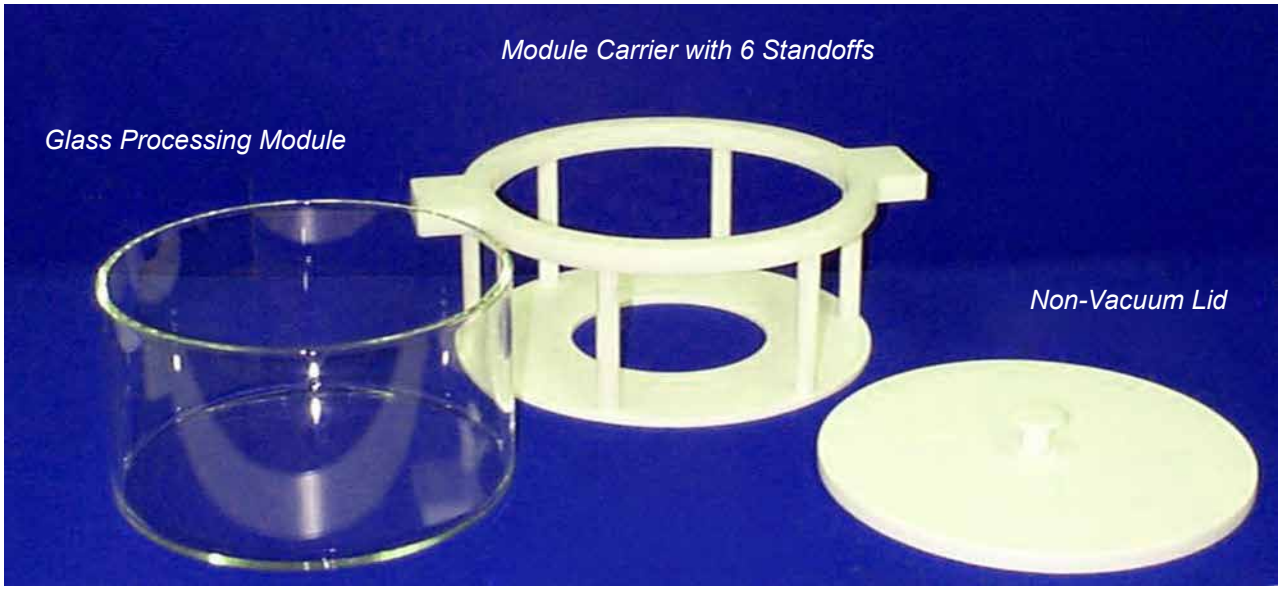
Accessories

180 Cassette Rack

Vacuum Lid

Cassette Rack Hook

Cat. No.		Price
26 85 50	Fiber Optic Probe	Please Call
26 80 22RTP	180 Cassette Rack	Please Call
26 80 24RTP	Vacuum Lid	Please Call
26 80 28RTP	Non-Vacuum Lid	Please Call
MARS100	Magnetic Stir Bar	Please Call
26 80 34RTP	Positioning Plate	Please Call
26 80 36RTP	Cassette Rack Handle	Please Call
26 80 20RTP	Module Stands	Please Call
RTPBEAKER	Glass Processing Modules - Vac & Non-Vac	Please Call
26 80 32RTP	Weflon Disc	Please Call



Prices and specifications subject to change without prior notice

HCM 6000

Automated Glass Coverslipper

New Features

Proven Technology

25+ years of automated coverslipping experience have led to the development of the HCM6000 Coverslipper. The HCM6000 offers a 60 slide loading capacity and the coverslipping rate of up to 400 slides per hour. The unique, non-pressurized media dispensing system helps eliminate the formation of air bubbles under the coverglass.

- All new microwavable slide baskets interface with most automated staining machines
- Front control panel with all essential functions easily accessible
- Universal coverglass holder for coverglass brands and sizes
- Compact footprint requires minimal counter space

Complete with: *3 20-slide baskets ;3 storage racks; 3 x 20 basket container with lid; mountant container; coverslip hoppers; flexible exhaust tubing; spare fuse; power cord; operators manual*

Overall dimensions: 16” (H) x 21” (W) x 17” (L) (40.5 x 53 x 43 cm); Weight 128 lbs (58 kg);

Voltage range: 115/120V 60 Hz 300VA, or 220V 50/60 Hz 300VA

H/I HCM6000 Automated Glass Coverslipper Cat. No. 38 00 12

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

HCM 6000 Coverslipper

Ancillaries & Replacements

Cat. No.		Price
38A5	Storage rack	Please Call
157020RBI	20 Slide basket (black - also fits H/I Linear Stainer MKII)	Please Call
387500	20 Slide basket (beige)	Please Call
38A6	Xylene trough	Please Call
38A7	Lid for 38A6	Please Call
38A3	Coverglass holder	Please Call
38A4	Mounting media bottle	Please Call
15 70 20	Metal slide basket - RCM	Please Call
15 70 30	Metal storage rack - RCM	Please Call

SuperSlip™

The "Stick Free" Cover Glass

10 75 40	SuperSlip™ Stickfree Glass Coverslips 24 x 40	Please Call
10 75 50	SuperSlip™ Stickfree Glass Coverslips 24 x 50	Please Call
10 75 60	SuperSlip™ Stickfree Glass Coverslips 24 x 60	Please Call

**Special pricing considerations are available contingent on volume*

Hacker Coverglass available online @ www.tidylabstore.com

www.hackerinstruments.com

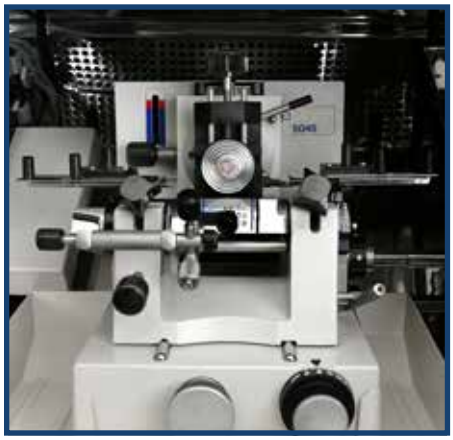
Prices and specifications subject to change without prior notice

Bright OTF 5000

Microtome Cryostat from Hacker

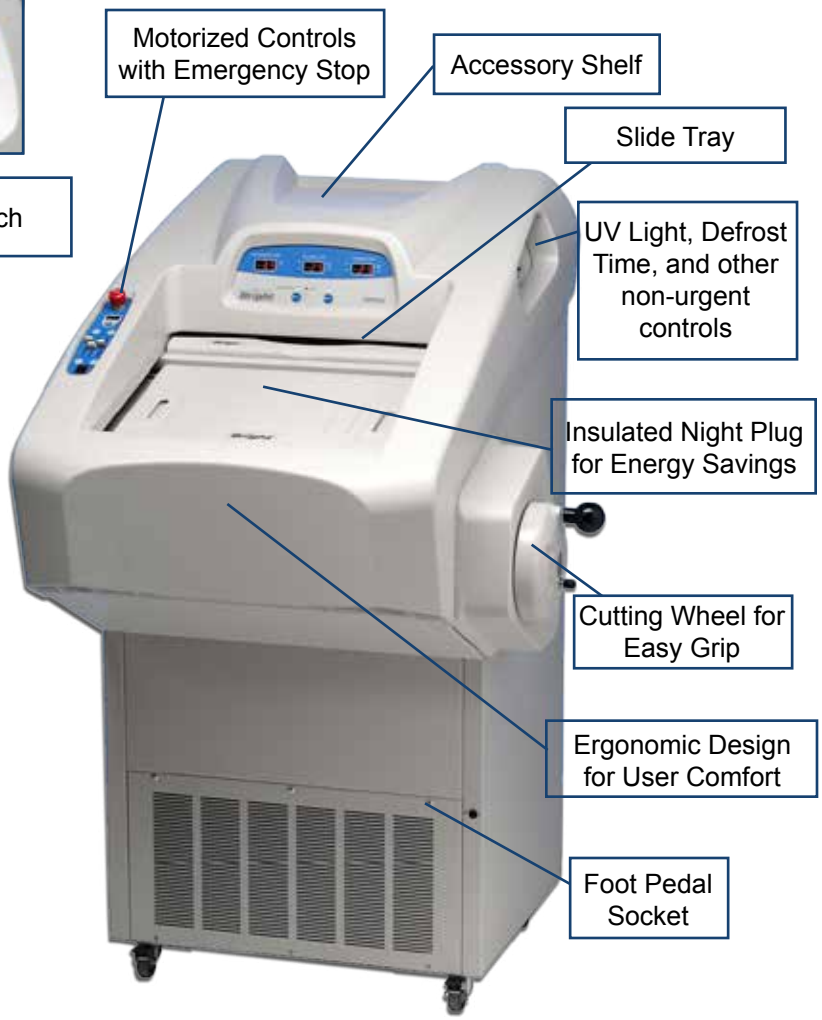
Duel Compressor Refrigeration

Renowned Performance



5040 Microtome inside the OTF

Instrument Dimensions:
49” (H) x 33” (D) x 30-35” (W)
(manual/motor drive)
Weight 265 lb min / 420 lb max



The Anatomy of the OTF5000

Prices and specifications subject to change without prior notice

www.hackerinstruments.com

OTF 5000
Packages

OTF/LS-002

Especially geared for brain sectioning and other difficult-to-section tissue such as breast.

-35^0 operation with heavy duty single compressor, auto-defrost and buffered quartz timer; built-in freezer digital temperature displays; Model 5040 rotary-retracting microtome with 1/60µm advance and standard knife block.

Specimen Temperature control:

- Allows rapid changes to be made to the specimen temperature, above the chamber temperature
- Creates a positive temperature difference between the knife and the specimen so the section will always be delivered onto a surface colder than itself
- Ideal when different tissues need to be cut at different temperatures

Object orientation with fine adjustment mechanism:

- Allows for accurate orientation of the specimen in both X & Y planes
- Includes both macro and micro adjustment knobs
- Firm clamping system for error free sections

Motorized advance and rewind for rapid control of head position:

- Two-speed advance/rewind provides slow, rapid, or incremental advances
- Auto reset returns cutting head to start position quickly

Also Features: Adjustable anti-roll plate for cutting difficult specimen such as brain

Cat. No. OTF 5000/LS-002

OTF/LS-004

Includes all features of the LS-002 along with:
Microtome with Quick Release Feather Blade Holder in place of Standard Knife Block.
All other features as listed above.

Cat. No. OTF 5000/LS-004

OTF/HS-002

Suitable for any tissue or material sectioning

For advanced research and extensive experimentation with automated sectioning

Includes all features of the LS Models, along with:

Dual Refrigeration System:

- Individually selectable dual compressors for 24/7/365 reliability
- Ability to reach -45^0 C chamber temperature with both compressors
- Advanced sharing algorithm to extend individual compressor life; reliable logic to adjust compressor cycles to maintain selected temperature even upon compressor failure

Robomatic Motor Drive for automated or manual sectioning:

- Provides hands-free operation for ergonomic use as well as extremely smooth cutting velocities for continuous or single sections
- Advance cutting window to adjust speeds at different cutting locations for various tissue sizes
- Variable speed capability to match varying tissue textures

Also Features: Informative Control Panel: 6-digit intelligent display with section counter and modern troubleshooting display

Cat. No. OTF 5000/HS-002

OTF/HS-004

Includes all features of the HS-002 along with:
Microtome with Quick Release Feather Blade Holder in place of Standard Knife Block.
All other features as listed above.

Cat. No. OTF 5000/HS-004

Standard Accessories: 3 plain object holders, 18cm “C” profile knife or pack of disposable blades, knife cleaning brush, 3 Allen keys, spare fuses, Cryo-M-Bed, spare anti-roll plate, debris tray, utility shelves, debris plug, low temperature oil, operating manual

Prices and specifications subject to change without prior notice

All models include delivery, installation and 1 year complete warranty.

OTF 5000

Ancillaries & Replacements

	Cat. No.	*Description*	PRICE USD
Inter-changable advance movements	10 70 12	*0.2/12 µm*	Please Call
	10 70 13	*0.5/30 µm*	Please Call
	10 70 14	*1/60 µm**	Please Call
	10 70 50	*2/120 µm*	Please Call
	10 70 55	*3/180 µm*	Please Call
	10 70 56	*5/300 µm*	Please Call
Plain object holders; use directly in microtome or "O" ancillary (10 70 18)	10 70 07	*5 mm diameter*	Please Call
	10 70 08	*22 mm diameter*	Please Call
	10 70 09	*37 mm diameter*	Please Call
	10 70 10	*50 mm diameter*	Please Call
	10 70 11	*50 x 50 mm diameter*	Please Call
Plain object holders, longer length	10 70 08-1	*22 mm longer length*	Please Call
	10 70 09-1	*37 mm longer length*	Please Call
Orientable object holders	10 70 201	*Universal holder for 5, 23, 37, & 50 mm object holders*	Please Call
	10 70 21	*5 mm diameter, aluminum*	Please Call
	10 70 22	*22 mm diameter, stainless steel*	Please Call
	10 70 23	*37 mm diameter, stainless steel*	Please Call
	10 70 24	*50 mm diameter, stainless steel*	Please Call
		Order 5 or more of one size orientable object holder for 10% discount	
Tubular object holders. Not for use with "O" ancillary (10 70 18)	10 70 26	*22 mm diameter*	Please Call
	10 70 30	*Object holder - 50 x 70 mm*	Please Call
For large sectioning, e.g. brain, whole small animals	10 70 32	*Modification to standard anti-roll device for 70 mm sections*	Please Call
	10 70 34	*Knife extension plate to hold 50 x 70 mm sections*	Please Call
	10 70 38	*Modification to microtome - extension of knife block excursion*	Please Call
	10 70 45	*Trough and knife conductor, right side**	Please Call
	10 70 47	*Trough and knife conductor, left side*	Please Call
For sectioning calcified tissue		**Microtome Knives, Tungsten Carbide Edge:**	
	13 00 80	*Profile "D" - 16 cm**	Please Call
	13 00 82	*Profile "C" 22^0 - 22/16 cm**	Please Call
For glass knives	10 10 05	*Glass knife holder for "Ralph" knives*	Please Call
	10 70 15	*Pyramid GlassKnife Holder, (6-12 mm glass) fully orientable*	Please Call

This is only a partial list of OTF ancillaries, please contact Hacker for a complete catalog

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

OTF 5000

Ancillaries & Replacements

	Cat. No.	Description	PRICE USD
"Magnacut" special disposable knife system	10 70 63	*"Magnacut" magnetic knife holder*	Please Call
	11 70 64	*Magnetic knife holder with Magnaplate anti-roll*	Please Call
	11 70 50	*Magnetic knife holder with standard anti-roll*	Please Call
	10 70 62	*Magnaplate anti-roll guide plate (part of 10 70 64) for use with disposable knives*	Please Call
	11 55 10	*Disposable Magnacut blades, packet of 10*	Please Call
Miscellaneous	11 70 53	*High/low profile blade holder (uses 11 70 52 or 11 70 58)*	Please Call
	11 70 56	*High Profile blade holder (uses 11 70 58 only)*	Please Call
	11 70 54	*Low Profile blade holder (uses 11 70 57 only)*	Please Call
	11 70 55	*Heavy duty blade holder w/ extended handle (uses 11 70 57 only)*	Please Call
	11 70 58	*H/I Disposable high profile blades, pkg of 60 ea*	Please Call
	11 70 52	*H/I Disposable low profile blades, pkg of 50 ea*	Please Call
	11 70 57	*H/I Disposable heavy duty blades, pkg of 35 ea*	Please Call
	11 70 65	*Lab Tek object holder, adaptor, for quick-freezer, set of 2*	Please Call
	11 70 82	*Set of 2 shelves*	Please Call
For storage of samples of LN2	11 70 18	*Quick release object holder for microtome clamp, complete with (50) 22 mm object discs*	Please Call
	11 70 19	*Extra set of (50) discs*	Please Call
Replacements	10 70 72	*Shaft, 72 mm long, for anti-roll plates*	Please Call
	10 70 69	*Anti-roll plate, 37 mm long*	Please Call
	10 70 66	*Anti-roll plate, 50 mm long*	Please Call
	10 70 67	*Anti-roll plate, 76 mm long*	Please Call
	10 70 68	*Anti-roll plate, 93 mm long*	Please Call
	13 27 18	*H/I Cryostat knife, Profile "C", 22^0, 18 cm*	Please Call
	11 70 74	*Fluorescent tube*	Please Call
	11 70 76	*Cyro-M-Bed, 113 ml (4oz)*	Please Call
	11 70 25	*Low temperature oil, amber*	Please Call
	11 40 49	*Installation & Operation Manual*	Please Call
	10 70 19	*Service Manual*	Please Call

Cryostat & Microtome accessories and consumables available online @ www.tidylabstore.com

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

Bright Clinicut

Free Standing Mobile Clinical Microtome Cryostat

- Refrigeration: Hermetically sealed continuous running compressor; chamber temperature minimum -350C at 210C ambient.
- Specimen Freezer: Constantly maintained at -440C to -530C at -200C chamber temperature. Interchangeable freezer plate with preformed embedding molds, insulating cover; fitted mobile heatsink (extractor).
- Defrost: Automatic programmable defrost with manual override.
- Chamber: “Open Top” model, polishes stainless steel interior; integral shelves; ridged polyurethane foam insulation with vapor barrier.
- Cabinet: PVC coated sheet steel with mould ABS polymer top.
- Illumination: Fluorescent light, automatically switches on as window is opened.

- 3020 Microtome features: Radial, flat cutting movement with manual hand-wheel operation; 57mm cutting stroke; 30 mm diameter maximum specimen size; Advance: 2µm to 30µm in 2µm increments; Excursion: 24mm, optional motorized advance/rewind; Quick release orientable specimen holder for 25 mm discs (other options available); Conventional or disposable blade holders; adjustable 0 – 250 knife angle; integral, fully adjustable anti-roll system with plastic antiroll plate; knife guards.

Weight: 215 lb (98 kg)
Dimensions (including handwheel): 27.25” (D) x 26.5” (W) x 44.75” (H) (690 x 675 x 1135mm)

CliniCut Free Standing Mobile Cryostat — Cat. No. 11 20 01

Bright 8250 & 9400

Electro-Linear Sledge Microtome Whole Body Cryostats

Both 8250 and 9400 model Cryostats, and most ancillaries, are manufactured to order. This permits some customizing, and customers are invited to discuss their specific need/application. Prices are for estimations only and subject to change without notice. Please request quotation tailored to your specific requirements.

8450 Cryostat

Cat. No. 11 30 10	Cryostat 8250 with series 8000 retracting microtome with advance 1/40µm, single knife holder and guards, object stage 250 x 110 mm, electrically heated window, manual defrost. Gross weight: 926 lb (420 kg); Cabinet Dimensions: 66” (L) x 22” (W) x 23” (H) (1675 x 556 x 580 mm)	Price Please Call
Cat. No. 11 30 15	Cryostat 9400 with series 9000 retracting microtome with advance 1/99µm, twin-turret knife holder with guards, object stage 400 x 250 mm, double glazed window, automatic defrost with quartz clock, temperature alarm, knee switch, tongs, dehydration set and vacuum debris collector. Gross weight: 1325 lb (600kg); Cabinet Dimensions: 108.5” (L) x 33.5” (W) x 38” (H) (2750 x 850 x 965 mm)	Price Please Call

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Prices and specifications subject to change without prior notice

Bright 2212

Portable Bench-top Micro-Cryostat

The Only Truly Portable Cryostat

Complete with: -30^0 operation, digital temperature displays for chamber and freezer; auto-defrost with buffered quartz clock; special microtome; 2/12 µm advance; anti-roll device; magnetic blade holder;

2 blades; 2 object holders; spare fuses

Dimensions: 28.5" (L) x 17.2 " (W) x 11.8" (H) (740 mm x 545 x 315)

Shipping Weight: 90 lbs (37 kg)

110-125V, 60 Hz, hospital grade plug

Bright MicroCryostat 2212 — Cat. No. 11 50 04

Bright CliniRF

The Clini-RF is a compact, free standing, ultra low temperature freezing unit designed to rapidly freeze tissue specimens for sectioning or processing. Utilizing ozone friendly HFC refrigerants, Clini-RF eliminates the need to use CO_2 and LN_2. With the rapid freezer tank operating to -80^0 C while the upper chamber remains available for storage at -40^0 C, Clini-RF offers you a highly functional and always dependable alternative for your rapid freezing needs.

Specifications: Weight: 90 lbs (41 kg);
Dimensions: 40" (H) x 18" (W) x 20" (D) (1000 x 450 x 500 mm)
Includes: 4 oz. Cryo-M-Bed, Cooling block removal tool, Allen Key, spare set of fuses, Operators manual

CliniRF Ultra Low Rapid Freezer Unit — Cat. No. 18 00 01

Prices and specifications subject to change without prior notice

MR-2

Semi-Automated Rotary Retracting Microtome

- Motorized Advance / Return, 2 speed.
- Horizontal specimen advance 28mm
- Orientation: XY axis 80: Z axis 3600
- Vertical stroke 64mm.
- Holder for standard cassette or universal to 55mm x 50mm.
- Safety lock for hand wheel.
- Disposable or conventional knife holder.
- Section Cutting/Thickness: 0.5µm to 2µm in 0.5µm increments; 2µm to 10µm in 1µm increments; 10µm to 20µm in 2µm increments; 20µm to 60µm in 5µm increments.
- INCLUDES: Knife stage for disposable blades; universal cassette clamp orientable (or specify other clamp); standard waste tray; operating instructions; dust cover; foot pedal; power supply & cables; hex wrench; motorized course advance/rewind.

Specifications
Weight: 53 lbs / 24.3 kg
Dimensions: 11" (H) x 11" (W) x 18" (L) (279mm x 273mm x 457mm)
Power supply: 50/60 Hz, 0.8 Amps; Output 24 VDC, 35 Watts

MR-3

Automated Rotary Retracting Microtome

- Motorized cutting with manual override.
- RPM adjustment for ½ RPM to 99 RPM.
- Motorized Advance / Return, 2 speed.
- Horizontal specimen advance 28mm.
- Orientation: XY axis 80: Z axis 3600
- Vertical stroke 60mm.
- Specimen final position: can be selected top or bottom.
- Holder for standard cassette or universal to 50mm x 50mm.
- Safety lock for hand wheel.
- Emergency Stop Button.
- LCD display.
- Disposable knife holder.
- Section Cutting/Thickness: 0.5µm to 1µm in 0.5µm increments; 1µm to 10µm in 1µm increments; 10µm to 25µm in 5µm increments.
- INCLUDES: Disposable blade and holder (specify when ordering); universal cassette clamp orientable (or specify other clamp); standard waste tray; operating instructions.

Specifications
Weight: 57.3 lbs / 26 kg;
Dimensions: 11" (H) x 11" (W) x 18" (L) (279mm x 273mm x 457mm)
Power Supply: 115V 60 Hz standard, also available in 230V

MR-2 Semi-Automated Rotary Microtome	Cat. No. 1007 2001
MR-3 Automated Rotary Retracting Microtome	Cat. No. 1008 2001

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

Bright Series 8000

Retracting Base Sledge Microtome

Ideal for cutting a wide range of materials, including bone, plastics, resins and wood as well as large area soft tissue. The 8000 incorporates retraction on the return stroke, helping avoid possible damage to specimens. Freezing stages such as the CryoHistomat (pg. 25) can be used in conjunction with the 8000 on occasions where it is necessary to freeze specimens while in a laboratory environment.

Bright Series 8000 Sledge Microtome	Cat. No. 10 00 18

Bright 5040 Microtome

Rotary Microtome for Plastics and Hard Specimen

Features	
Construction:	Rotary rocking design of cast alloys, with detergent and solvent resistant epoxy-polyester finish
Specimen Advance:	Standard range of 1-60µm in 1*µm* steps. Total specimen excursion 5,550*µm*. Specimen retraction 50*µm*
Specimen Holders:	Either quick release holder for cassettes or standard specimen vice (with V-block) supplied as standard. Orientation with fine adjustment in X-Y planes. Maximum specimen size 50 x 70mm
Knife Holders:	Standard knife holder accepts conventional steel knives, tungsten carbide tipped knife and disposable blade holders. Sliding knife carriage with central lock
Motorized Section Cutting:	(Optional) with variable speed, cutting zone, single or continuous modes, emergency stop
Safety Features:	Counter-balanced handwheel with safety lock. Integral knife guards, sliding both ways to cover knife edges

Bright 5040 Microtome	Cat. No. 10 00 07
5040 Microtome w/ Feather Blade Block	Cat. No. 10 00 08
5040 Microtome w/ Motor Drive and Zone Control	Cat. No. 10 00 13

Prices and specifications subject to change without prior notice

Bright

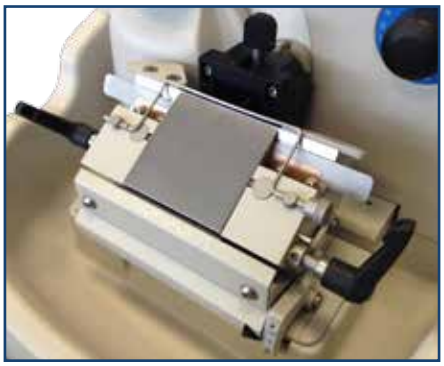
M3500 Microtome

Flat Cutting Radial Action Microtome

Making a radical leap forward in wax sectioning technology, the M3500QR incorporates a flat-cutting radial action. This has a distinct advantage over a vertical cutting microtome in that the specimen moves along the blade, as well as down on to it, this producing a slicing cut (similar to a guillotine). The cutting action produces less section compression than other methods and therefore gives superb results.

The M3500QR incorporates the latest design thinking, using high quality moulded materials to soften curves and strengthen construction while keeping the overall weight down in order for the instrument to remain relatively portable, (cutaways in the plinth act as handgrips) but heavy enough to remain stable while sectioning. The advance/rewind switch has been duplicated on either side of the front and other controls have been positioned so that the microtome can be used either front-on or side-on to the operator.

Innovations, including a debris visor doubling up as a safety shield, a debris blind and trap to keep the inner mechanism clean and a deep integral debris tray to take control of waste, add up to make operations easier, cleaner and safer for the operator.



Dedicated Quick Release
Feather Blade Holder

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

M3500
Specifications

Section thickness range	0 to 30µm
Section thickness increments	2µm
Fine feed screw section thickness range	0 to 15µm
Fine feed screw section thickness increments	1µm
Automatic retraction	10µm
Head advance distance	25mm with knife at 0^0
Motorized advance/rewind speed	116µm/s
Specimen orientation	+/- 5^0
Specimen rotation	360^0
Specimen holder (standard)	Cassette quick release holder
Specimen holder (optional)	Standard vice clamp
Section holder (optional)	Cassette quick release holder with orientation
Section holder (optional)	Standard vice clamp with orientation
Section counter	6 digit LCD
Section counter power supply	2 x AA batteries
Horizontal specimen feed	25mm @ 0^0 knife angle
Vertical specimen stroke	57mm
Angular cutting motion	53^0
Maximum specimen size	25mm x 30mm
knife holder angle adjustment	0 - 25^0
Motorized advance/rewind power consumption	30VA
Supply voltages	N/A
Net / Gross weight	26kg / 30kg
Dimensions	450mm (W) x 300mm (H) x 440mm (L)
Packing specifications	59 x 59 x 45 cm (0.155 cube)

M3500-01	M3500 Radial Microtome with dedicated Quick Release Feather Blade Holder and Cassette Quick Release Holder
M3500-02	M3500 Radial Microtome with dedicated Quick Release Feather Blade Holder and Standard Vice Clamp
115MAR	Motorized advance/rewind
212-045	Fine feed screw 0 - 15µm, 1µm increments (factory fitted)
57903	Lever release Feather blade holder
212-049	Standard vice clamp
212-049	Standard vice clamp with orientation
212-046	Cassette quick release holder
212-047	Cassette quick release holder with orientation
50241	Pack of 50 Feather™ blades
52658	Vertical vice clamp
52632	Vertical vice clamp 45^0

Prices and specifications subject to change without prior notice

H/I Sliding Microtome

Heavy duty microtome with horizontal movement along finely machined slide ways, manual advance 0.5/12 µm with multiplying lever for virtually unlimited section thickness capabilities. Orientable object clamp can accommodate a variety of tissue cassettes or freezing stages. Accepts standard or disposable microtome knives in a variety of lengths

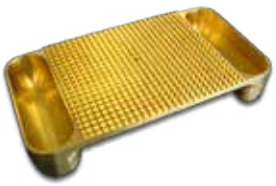
H/I Sliding Microtome	Cat. No. 10 00 20
Disposable Blade Holder for Sliding Microtome	Cat. No. 10 00 21
Feather Blades, pack of 50	Cat. No. 50 24 1
Profile C, 12 cm	Cat. No. 13 20 12
Profile C, 18 cm	Cat. No. 13 20 18

Custom Freezing Stages

Custom freezing stages can be machined to your specifications; clamping stems can be designed to fit any microtome.

Please call for information & pricing

Brass freezing stages also available



www.hackerinstruments.com

Prices and specifications subject to change without prior notice

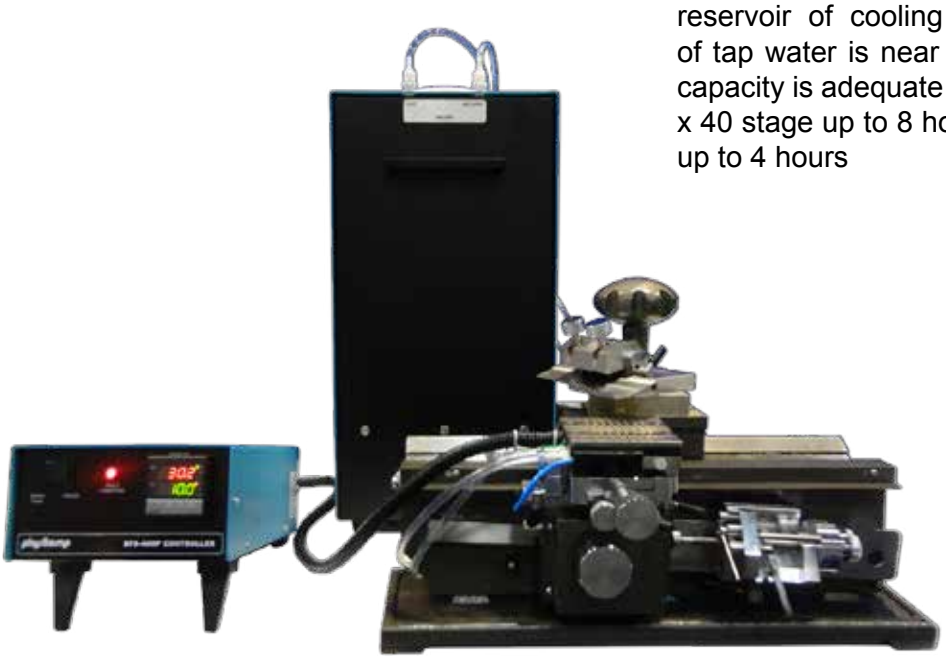
CryoHistomat MK3

Microtome Freezing Stage

CryoHistomat MK3

Hacker Industries Cryo-Histomat MK-3 Freezing Stage utilizes a new innovative controller featuring switching power supplies that are overrated 100% to ensure cool operation and continuous service. Microprocessor controlled. Over temperature alarm with power shut down in the event of inadequate flow of cooling water or over use of thaw feature. Continuous display of both set and run temperatures. 110V and 220V operation by switch selection.

The Closed Circuit Cooling System consists of pump and tank to provide a convenient reservoir of cooling water when no source of tap water is near work area. Seven gallon capacity is adequate for operating Model 1, 30 x 40 stage up to 8 hours and larger stages for up to 4 hours



Sliding Microtome with the Cryo-Histomat & Closed Circuit Cooling System

Model 1 Controller with 30 x 40 mm stage	Cat. No. 11 00 21
Model 2 Controller with 75 x 80 mm stage	Cat. No. 11 00 22
Model 3 Controller with 1.5 x 1.5 inch stage	Cat. No. 11 00 23
ECV Electronically operated solenoid valve enables user to activate tap water supply with the controller power switch	Cat. No. 11 00 20
Closed Circuit Cooling System	Cat. No. 11 00 10

Prices and specifications subject to change without prior notice

H/I Microtome Knives

for precision sectioning

13 21 12*	Profile A, 12 cm	Please Call
13 22 12	Profile B, 12 cm	Please Call
13 20 12	Profile C 12 cm	Please Call
13 23 12*	Profile D, 12 cm	Please Call
13 20 16	Profile C, 16 cm	Please Call
13 23 16*	Profile D, 16 cm	Please Call
13 20 18	Profile C, 18 cm	Please Call
13 20 25*	Profile C, 25 cm	Please Call
13 23 25	Profile D, 25 cm	Please Call
	Special Knives	
13 27 18	"Cryo-C", Profile C, 22^0, 18 cm	Please Call
13 00 71*	Cambridge Knife	*Special Order
13 00 80*	Profile D with tungsten carbide cutting edge, 16 cm	*Special Order
13 00 72*	Profile C with tungsten carbide cutting edge, 24/15/5 cm	*Special Order
13 00 82*	Profile C, tungsten carbide cutting edge, 16 cm	*Special Order
13 70 02	Handle for microtome knives (except 13 00 80)	*Special Order

PROFILE	CHARACTERISTICS	APPLICATION
"A"	Plane: very concave, hollow Ground blade with extra-thin cutting edge	Fresh specimens, alcohol-hardened objects, soft celloidin objects
"B"	Plane: slightly concave, hollow Ground blade with less thin cutting edge	Soft paraffin objects, harder celloidin objects
"C"	Plane: both sides (wedge shaped) Standard Profile	Paraffin objects, frozen objects, hard celloidin objects
"D"	Plane: both sides (wedge shaped) Steep cutting edge	Extra-hard objects such as leather, rubber, paper, film, wood, plastics

Standard & Disposable Microtome Blades available online @ *www.tidylabstore.com*

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

Disposable Knife Systems

H/I Disposable Blade Holder

Feather Blade Block & Holder

"MagnaCut" Disposable Knife Holder shown with Knife Removal Tool and Blade

11 70 60	Feather Blade Block & Holder for Bright OTF and 5040	Please Call
11 70 53	H/I Disposable blade holder for high & low profile blades	Please Call
11 70 54	H/I Disposable blade holder for heavy duty blades only	Please Call
11 70 55	H/I Disposable blade holder w/ extended handle	Please Call
11 70 56	H/I Disposable blade holder for high profile blades	Please Call
11 70 64	"MagnaCut" Disposable Blade System: Consists of Magnetic Blade Holder, Magnaplate anti-roll, 10 blades, blade removal tool, box & instructions	Please Call
11 70 50	"MagnaCut" Disposable Blade System: Consists of Magnetic Blade Holder, 50mm anti-roll plate, 10 blades, blade removal tool, micro-adjusting T-piece and stem, box & instructions	Please Call
11 70 50	Magnaplate anti-roll guide plate (part of 10 70 64) for use with disposable blades	Please Call
11 70 63	"MagnaCut" Magnetic Knife holder only	Please Call
	Disposable Blades	
11 70 52	H/I Disposable Low Profile Blades, pack of 50	Please Call
11 70 58	H/I Disposable High Profile Blades, pack of 60	Please Call
50 24 1	Feather blades, pack of 50	Please Call
11 55 10	"MagnaCut" blades, pack of 10	Please Call
11 70 57	H/I Disposable Heavy Duty Blades, pack of 35	Please Call

Prices and specifications subject to change without prior notice

Drying Ovens

Interior

APPLICATIONS

- Drying glassware and samples
- Annealing
- Dry heat sterilization
- Evaporation
- Product age acceleration
- Polymerizing plastics

FEATURES

- Double wall construction, glass wool insulation
- Natural air convection
- Bi-metallic thermostats
- Aluminum interior
- Supplied with two adjustable tip-proof zinc plated steel shelves, thermometer (spirit filled)
- Available in three sizes

Model #	**107800 & 107800-2**	**107905 & 107905-2**	**107801 & 107801-2**
Electrical	115 VAC 660W or 230 VAC 660W	115 VAC 660W or 230 VAC 660W	115 VAC 660W or 230 VAC 660W
Chamber Volume	16.7 liters (0.6 cu. ft.)	47.9 liters (1.6 cu. ft.)	76.3 liters (2.7 cu. ft.)
Max. Temp	225^0	225^0	225^0
Overall Dimensions W x D x H	34.9 cm x 34 cm x 41.9 cm 13 3/4” x 13 1/2” x 16 1/2”	41.6 cm x 48.3 cm x 53.9 cm 16 1/2” x 19” x 21 1/4”	49.2 cm x 47.6 cm x 65.1 cm 19 1/2” x 18 3/4” x 25 1/4”
Chamber Dimensions W x D x H	28.6 cm x 24.8 cm x 23.5 cm 11 1/4” x 9 3/4” x 9 1/4”	35.6 cm x 37.8 cm x 35.6 cm 14” x 15” x 14”	43.2 cm x 37.8 cm x 46.7 cm 17” x 14” x 18 1/2”
Net Weight	26 lbs 11.8 kg	48 lbs 21.8 kg	56 lbs 25.4 kg
Price	Please Call	Please Call	Please Call

OVENS ARE NOT TO BE USED TO HEAT COMBUSTIBLE MATERIALS

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

DownDraft Fume Extractor

- Affordability: ductless, no installation costs; uses low cost pelletized activated carbon, not expensive custom filters.
- No net loss of air in lab.
- Hardly noticeable airflow required for most applications.
- Perforations in stainless work tray balance airflow, even when many are blocked by bottles, slides, etc.
- Comfortable: no enveloping hood, no draft.
- Activated carbon contained in cassette drawer; quick interchange and reloading.
- INCLUDES: Stainless detachable work plate; Cassette with set of 2 carbon pillows, universal activated; 6-ft power supply cord; operating instructions

Specifications
Weight: 48Lb, 22 kg
Dimensions: Overall base 25” (W) x 19” (D) x 16” (H)
tray area: 21” (W) x 11.5” (D); tray height: 1.5”
115V, 60 Hz or 220/240V, 50 Hz operation

MADE IN THE USA

APPLICATIONS	
Pathology	Necropsy,Tissue Grossing
Histology/Cytology	Staining & Coverslipping
Life Sciences	Dissections, Animal Surgery
Industry	Work Station for Adhesives, etc.

DownDraft Fume Extractor	Cat. No. 15 00 01
Replacement Carbon Pillows, universal activated, set of 2	Cat. No. 15 70 01
Replacement Carbon Pillows, activated for formaldehyde, set of 2	Cat. No. 15 70 02

Order your replacement filters online *@ www.tidylabstore.com*

Prices and specifications subject to change without prior notice

HistoPro III

Modular Embedding Center

The HistoPro III Embedding Center has all the features you need for safety, convenience, and ease of use. Modular Cold Plate Unit and Paraffin Processing Unit can be used jointly or individually to meet your needs.

FEATURES

- Modular: Pre-heated holding area, paraffin processing, and cold plate modules.
- 150 cassette holding area with cover and adjustable temperature.
- Large 5.9 liter capacity paraffin dispenser with adjustable temperature.
- 6 forceps holders/heating wells – user positioned.
- Foot pedal or manual paraffin dispensing.
- Independent electronic controls for each module and operation.
- Convenient paraffin catch basin located underneath work surface.
- Fully programmable 7 day paraffin processing start time.
- Integrated lighting.
- Flexible magnifying glass.
- Independently controlled “cold spot” on embedding surface.
- Over-sized cold plate, storage areas, and embedding surfaces.
- Modules configured to best suit user preferences.
- Heated holding chamber with 500 embedding mold capacity and adjustable temperature.

MADE IN THE USA

Dimensions: 16” (L) x 23” (D) x 12.5” (H)

Weight: 110 lbs (49.4 kg)

HistoPro III Embedding Center — Cat. No. 54 00 01R

PD 2.0

Paraffin Dispenser

FEATURES

- 1.75 gallon / 6.5 liter capacity
- Two position lever tap
- Drop on stainless steel lid
- Aluminum immersion heater
- Ambient to 800C
- Drip free, high flow paraffin delivery
- Ridged metal casting
- Stainless steel inner reservoir

MADE IN THE USA

Specifications
Weight: 18 lbs / 8.3 kg
Dimensions: 10” (W) x 10” (D) x 18.5” (H)
110V, 60Hz, 420W

PD 2.0 Paraffin Dispenser — Cat. No. 54 00 05

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

Water Baths

Round Tissue Bath

- Eliminate wrinkles and distortion during the preparation of paraffin embedded tissue sections
- Wide, flat edge serves as a convenient drying surface for processed slides
- Bath surface is black ceramic coated steel for improved visibility of tissue sections
- Equipped with pilot light, dust cover, thermometer holder and non-skid rubber feet
- Has separate on/off switch, pilot light, and thermostat
- Durable and inexpensive
- Rapid heat-up
- Easy to clean and maintain

Illuminated Water Bath

- *Precision temperature controlled water bath eliminates wrinkles and distortion during preparation of paraffin embedded tissue sections*
- *Digital Microprocessor Control with advanced safety over temperature protection*
- *L.E.D. illuminated black background with transparent PYREX® dish; allows specimen to be easily seen*
- *A nonvolatile memory retains the last temperature set point after power off/on*

Illuminated Water Bath w/ Dryer and Orienter Block

- Precision temperature controlled water bath eliminates wrinkles and distortion during preparation of paraffin embedded tissue sections
- Digital Microprocessor Control with advanced safety over temperature protection
- L.E.D. illuminated black background with transparent PYREX® dish; allows specimen to be easily seen
- A nonvolatile memory retains the last temperature set point after power off/on
- Includes the Slide Dryer and Tissue Orienter Blocks

Round Tissue Bath 115V	Cat. No. 88 14792
Illuminated Water Bath w/o Dryer and Orientation Block	Cat. No. 88 145701
Illuminated Water Bath w/ Dryer and Orientation Block	Cat. No. 88 145950

Prices and specifications subject to change without prior notice

Safety Cabinets

All Cabinets Feature:

- *All welded double wall 18 gauge construction with 1-1/2" insulating air space.*
- *2" leak proof sill to contain leaks.*
- *Lockable flush mounted handle (gripper pad) with 2 keys.*
- *Door has 3 point locking system and radius edges.*
- *door is double walled, 14 gauge outside & 18 gauge inside.*
- *4" heavy duty welded hinges with brass pins.*
- *Twin 2" flame arrester vents*
- *Adjustable leveling feet*
- *Powder coated yellow finish (see options)*
- *Safety signage in large red letters.*

- *Galvanized steel shelves adjust on 2-1/2" centers.*
- *Grounding connector.*
- *Meets OSHA and NFPA code 30 & UFC 79 standards*
- *Chemical storage maximum: Class I & II - 60 gallons, Class III - 120 gallons*
- *Manual / Self-Close door opens to a full 180^0*

Under Counter - 35" High - Manual Close						
Capacity Gallons	*Cat. No.*	*Size (in) WxDxH*	*# Shelves*	*# Doors*	*Weight (lbs)*	*Price*
12	*BT12*	*23 x 18 x 35*	*1*	*1*	*140*	*Please Call*
22	*BT22*	*34 x 18 x 35*	*1*	*2*	*170*	*Please Call*
30	*BT30*	*23 x 34 x 35*	*1*	*1*	*220*	*Please Call*

Under Counter - 35" High - Self Close						
Concealed self closing mechanism (shuts and latches automatically as fusible link melts under fire conditions at 165^0)						
Capacity Gallons	*Cat. No.*	*Size (in) WxDxH*	*# Shelves*	*# Doors*	*Weight (lbs)*	*Price*
12	*BK12*	*23 x 18 x 35*	*1*	*1*	*150*	*Please Call*
22	*BK22*	*34 x 18 x 35*	*1*	*2*	*180*	*Please Call*
30	*BK30*	*23 x 34 x 35*	*1*	*1*	*230*	*Please Call*

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Slim Line - 1 Door - Manual Close					
Capacity Gallons	Cat. No.	Size (in) WxDxH	# Shelves	Weight (lbs)	Price
6	BA06		1		Please Call
12	BA12	23 x 18 x 35	1	140	Please Call
18	BA18	23 x 18 x 44	2	170	Please Call
24	BA24	23 x 18 x 65	3	230	Please Call
30	BA30	23 x 34 x 35	1	220	Please Call
40	BA40	23 x 34 x 44	2	270	Please Call
60	BA60	23 x 34 x 65	3	360	Please Call

Slim Line - 1 Door - Self Close					
Concealed self closing mechanism (shuts and latches automatically as fusible link melts under fire conditions at 165^0)					
Capacity Gallons	Cat. No.	Size (in) WxDxH	# Shelves	Weight (lbs)	Price USD
6	BJ06		1		$670.00
12	BJ12	23 x 18 x 35	1	150	$820.00
18	BJ18	23 x 18 x 44	2	180	$950.00
24	BJ24	23 x 18 x 65	3	242	$1,100.00
30	BJ30	23 x 34 x 35	1	230	$980.00
40	BJ40	23 x 34 x 44	2	280	$1,290.00
60	BJ60	23 x 34 x 65	3	370	$1,500.00

MADE IN THE USA

2 Door - Manual Close					
Capacity Gallons	Cat. No.	Size (in) WxDxH	# Shelves	Weight (lbs)	Price
22	BM22	34 x 18 x 35	1	170	Please Call
28	BM28	34 x 18 x 44	2	220	Please Call
30	BM30	43 x 18 x 44	1	240	Please Call
44	BM44	34 x 18 x 65	3	290	Please Call
45	BM45	43 x 18 x 65	2	358	Please Call
60	BM60	34 x 34 x 65	2	430	Please Call
90	BM90	43 x 34 x 65	2	470	Please Call
120	BM120	59 x 34 x 65	2	540	Please Call

2 Door - Self Close					
Concealed self closing mechanism (shuts and latches automatically as fusible link melts under fire conditions at 165^0)					
Capacity Gallons	Cat. No.	Size (in) WxDxH	# Shelves	Weight (lbs)	Price
22	BS22	34 x 18 x 35	1	196	Please Call
28	BS28	34 x 18 x 44	2	248	Please Call
30	BS30	43 x 18 x 44	1	268	Please Call
44	BS44	34 x 18 x 65	3	348	Please Call
45	BS45	43 x 18 x 65	2	374	Please Call
60	BS60	34 x 34 x 65	2	454	Please Call
90	BS90	43 x 34 x 65	2	518	Please Call

Prices and specifications subject to change without prior notice

Medical Carts

Models KJ, KK, KM, KN - Medical carts for 24, 30, 40 and 60 cylinders
Please call for pricing

1,200 LB CAP.*
(800 lb with T5 casters)

Model KJ

1,200 LB CAP.*
(800 lb with T5 casters)

Model KK

1,200 LB CAP.*
(800 lb with T5 casters)

Model KL

2,000 LB CAP.*

Model KM

2,000 LB CAP.*

Model KN

Product Features:
- All welded steel construction (except casters)
- Durable 14 guage trays, 1-1/2" x 3/16" angle corner posts, and 12 guage caster mounts and tank supports.
- Raised offset handle
- Bolt on casters, 2 swivel & 2 rigid, for easy replacement and superior cart tracking - see specifications chart
- Powder coated gray finish

Model KJ:
- Trays have lasercut 4-1/2" diameter holes to hold cylinders in upright position.
- Overall height - 37"
- Top tray height - 21"

Model KK & KL:
- Trays have lasercut 3-1/2" diameter holes to hold cylinders in upright position.
- Overall height - 37"
- Top tray height - 19"

Model KM & KN:
- Trays have lasercut 4-1/2" diameter holes to hold cylinders in upright position.
- Overall height - 38"
- Top tray height - 22"

Options:
- 2 wheel breaks on swivel casters - code B5, B6, or BN
- All swivel casters - Code AS
- Other colors and casters available

Model KJ - 24 Cylinder Medical Cart for M7, M9, C, D, & E Sizes

WxL (in)	5" Casters Cat. No.'s		Wgt. (lbs)	8" Casters Cat. No.'s	Wgt. (lbs)
	Urethane	Thermorubber		Semi-Pneumatic	
24 x 36	KJ024-U5	KJ024-T5	70	KJ024-Z8	90

Model KK - 30 Cylinder Medical Cart for M4, M6 & B Sizes

WxL (in)	5" Casters Cat. No.'s		Wgt. (lbs)	8" Casters Cat. No.'s	Wgt. (lbs)
	Urethane	Thermorubber		Semi-Pneumatic	
24 x 24	KK030-U5	KK030-T5	66	KK030-Z8	86

Model KL - 60 Cylinder Medical Cart for M4, M6 & B Sizes

WxL (in)	5" Casters Cat. No.'s		Wgt. (lbs)	8" Casters Cat. No.'s	Wgt. (lbs)
	Urethane	Thermorubber		Semi-Pneumatic	
24 x 48	KL060-U5	KL060-T5	100	KL060-Z8	120

Model KM - 24 Cylinder Medical Cart for M7, M9, C, D, & E Sizes

WxL (in)	6" Casters Cat. No.'s		Wgt. (lbs)	8" Casters Cat. No.'s	Wgt. (lbs)
	Urethane	Thermorubber		Semi-Pneumatic	
24 x 36	KM024-U6	KM024-T6	80	KM024-Z8	90

Model KN - 40 Cylinder Medical Cart for M7, M9, C, D, & E Sizes

WxL (in)	6" Casters Cat. No.'s		Wgt. (lbs)	8" Casters Cat. No.'s	Wgt. (lbs)
	Urethane	Thermorubber		Semi-Pneumatic	
30 x 42	KN040-U6	KN040-T6	120	KN040-Z8	130

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Prices and specifications subject to change without prior notice

Microtome Knife Sharpening

Fast turn-around and guaranteed sharp as new knives. Simply mail your knife to Hacker along with a decontamination certification and we'll get it back out to you in 24 hours.

We sharpen all standard steel knives - profiles "A", "B", "C", & "D". If your A or B knife (hollow profile) have already been re-sharpened like a C profile knife, it is impossible to restore the original profile. These knives can only be re-sharpened with a C profile.

The H/I method does not grind away the large bevel generated by much re-sharpening. If you want the bevel removed, please send your knife first to a machine-shop for surface grinding. H/I can then accept it for sharpening. Note however, that removal of such metal can, on some knives, expose softer metal which may sharpen but will not hold an edge for very long. Such knives are best replaced. The H/I method, while less cosmetic, usually extends the useful life of the knife

For safety, please ship knives only in properly fitted containers.

Knife Size	Price USD
8 cm	$70.00
10 cm	$70.00
11 cm	$85.00
12 cm	$85.00

Knife Size	Price USD
14 cm	$95.00
16 cm	$110.00
18 cm	$110.00
20 cm	$145.00

Knife Size	Price USD
22 cm	$145.00
25 cm	$150.00
30 cm	$195.00
Tungsten Carbide	$300.00

Knives can be shipped to:

Hacker Industries
1132 Kincaid Bridge Road
Winnsboro, SC 29180

To request a decontamination certificate, please write to us at: **HACKERLAB@AOL.COM**
or
call us at: **(803) 712-6100** and it can be faxed to you

Refurbished Units

H/I maintains an inventory of affordably priced refurbished units, including Coverslippers, Linear Stainers, Microtomes and Cryostats and MARS Microwave Tissue Processors

All refurbished units come with a full warranty. Prices are quoted on an individual basis.

Please call for pricing and information

Reconditioned Microtome Knives

Hacker maintains an inventory or reconditioned microtome knives in all sizes and profiles.

All knives are guaranteed sharp as new

Please Call for Pricing

www.hackerinstruments.com

Prices and specifications subject to change without prior notice

Autopsy Saw

The high-speed oscillating action quickly cuts through bone without harming soft-tissue.

- Completely enclosed motor allows for quick and easy cleaning with disinfectant solution.
- Easy to handle: ergonomically shaped to fit the hand for a more natural and comfortable fit.
- Heavy-duty waterproof cord and plug.
- Custom designed motor for added power.
- Convenient watertight on/off switch.

Weight: 3lbs 6oz
10” in length; 3” diameter at widest part of body

Autopsy Saw — *Cat. No. 0295270*

Dissection Kit

Highest quality, stainless steel, precision crafted dissection kit for histology. All the tools you need in a handsome leather case.

9-Piece Kit Includes: 1. Teasing Needle with Curved End, 2. Teasing Needle 12.5 cm fine, 3. Teasing Needle 13 cm blunt, 4. Dissecting Scissor 11.5 cm, 5. Dressing Scissor Sh/bl 14cm, 6. Scalpel Handle No. 4, 7 .Scalpel Handle No. 3, 8. Dressing Forceps 14 cm, 9. Dressing Forceps Fine 11.5 cm

14-Piece Kin Includes: 1. Double Ended Probe (blunt); 2. Triple Chain Hook; 3. Dissecting Scissor, 11.5cm; 4. Dressing Scissor Sh/bl, 14cm; 5. Kelly Forceps (Curved), 14cm; 6. Teasing Needle (Fine), 12.5cm; 7. Tissue Forceps (Semken), 12.5cm; 8. Razor; 9. Dressing Forceps (Thumb), 14cm; 10. Needle (Star Shape); 11. Butterfly Probe; 12. Spatula, 15cm 13. Scalpel Handle #4; 14. Scalpel Handle #3; 2 scalpel blades

14-Piece Dissection Kit

9-Piece Dissection Kit — *Cat. No. 44 56 04*

14-Piece Dissection Kit — *Cat. No. 44 56 03*

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Prices and specifications subject to change without prior notice

Tidylab

TidyLab Organization & Storage Solutions is a line of products custom designed to meet the organization, storage, and safety needs of today's histology and pathology laboratories. The TidyLab line ranges from cassette organizers, to specimen storage systems, to biohazard shields and immuno vial organizers.

TidyLabStore.com is also your source for Hacker Instruments & Industries consumables and accessories. TidyLabStore.com carries slide baskets for the H/I Linear Stainer, RCM3665 and HCM6000 Coverslippers, object holders for microtomes, CellFunnels for the CellSpin Cytocentrifuge, disposable and standard microtome knives and much more.

We're happy to work with your lab to customize products to your specific needs. Call us at 1-800-4-HACKER.

MADE IN THE USA

Cassette Organizers

Manufactured from durable, 1/8" clear acrylic. The unique slanted design holds cassettes and/or slides upright so they are more accessible.

15 Cassette Organizer

Cat. No. 68CO15 — *3 7/8" (w) x 4 7/8" (d) x 2 1/2" (h)*

30 Cassette Organizer

Cat. No. 68CO30 — *7" (w) x 4 7/8" (d) x 2 1/2" (h)*

48 Cassette Organizer

Cat. No. 68CO48 — *3.5" (w) x 4.25" (d) x 2.75" (h)*

3-Slot Paraffin Block Organizer

Holds approximately 85 cassettes.

Cat. No. 68PB3 — *7 1/8" (w) x 9 5/8" (d) x 4" (h)*

5-Slot Paraffin Block Organizer

Holds approximately 140 cassettes.

Cat. No. 68PB5 — *4 1/4" (w) x 9 5/8" (d) x 4" (h)*

Tidylab

www.tidylabstore.com

Prices and specifications subject to change without prior notice

Multi-Purpose Storage Unit - Single Bin

Holds approximately:
1200 biopsy pads
450 tissue cassettes
500 transfer pipettes

Cat. No. 68MPSB1 — *9 1/4" (w) x 10 7/8" (d) x 10 1/2"*

Multi-Purpose Storage Unit - Double Bin

Holds approximately:
2200 biopsy pads
850 tissue cassettes

Cat. No. 68MPSB2 — *13" (w) x 8 1/8" (d) x 9 1/4" (h)*

Multi-Purpose Carousel

Holds cassettes, biopsy pads, and transfer pipettes. Easy access on top for re-stocking and access at bottom for dispensing. Made from durable 1/4 inch acrylic with a revolving bottom.

Cat. No. 68MPC — *12" (w) x 12" (d) x 9 1/4" (h)*

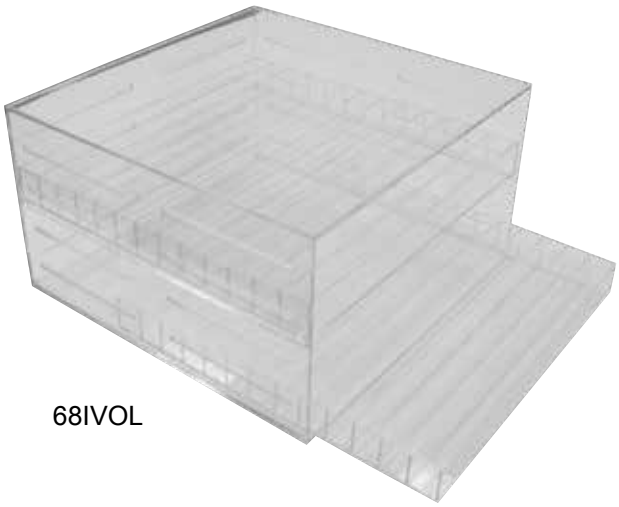
Specimen Tray

The Specimen Tray is designed to hold and organize specimen bottles and tissue cassettes in each section. Section dimensions: 1.85" (W) x 2.87" (L) x 1.25" (D) [47mm x 73mm x 30mm]

Specimen Tray — *10" (W) x 11.75" (L) x 1.3" (D)* — *Cat. No. 68ST*

www.tidylabstore.com

Made from durable PETG material, these storage containers fit in most refrigerators or freezers. The vented sides and back allow cold air to circulate. Each organizer includes two Immuno Vial Racks that fit inside the container so that large quantities of bottles can be neatly organized.



68IVOL

68IVOS

Organizers are available in Large (12 channels, 338 immuno vial capacity) and Small (8 channels, 96 immuno vial capacity); Channels are 1" wide.

68IVRM

Cat. No. 68IVOS	*Immuno Vial Organizer - Small*	*10" (W) x 8.5" (D) x 8.5" (H)*
Cat. No. 68IVRS	*Immuno Vial Rack - Small*	*9.5" (W) x 7.5" (D) x 1.25" (H)*
Cat. No. 68IVRM	*Immuno Vial Rack - Medium*	*8.5" (W) x 9.5" (D) x 1.25" (H)*
Cat. No. 68IVOL	*Immuno Vial Organizer - Large*	*16.5" (W) x 17" (D) x 8.5" (H)*
Cat. No. 68IVRL	*Immuno Vial Rack - Large*	*16" (W) x 16" (D) x 8.5" (H)*

Refrigerator Storage Cabinet

Can be used with a variety of Immuno Reagent Vials and BOND Reagent Racks. Comes with two drawers, 6 channels each. Channels are 1.32" wide. Overall dimensions: 10 1/8" (w) x 16" (d) x 18" (h)

Refrigerator Storage Cabinet	*Cat. No. 68RDC*

www.tidylabstore.com

Specimen Bottle Racks

Rack for 20ml Specimen Bottles

Rack holds up to (12) 20ml specimen bottles. Keeps your samples organized and easy to transport. Feet on the bottom keep the rack firmly in place. Holes for bottles measure 1.25" in diameter.

Cat. No. 68BR20 — *6 1/4" (W) x 8 1/8" (L) X 1 1/4" (H)*

Rack for 40 & 60ml Specimen Bottles

Rack holds up to (12) 40 and/or 60ml specimen bottles. Keeps your countertop clutter-free and your specimen easy to transport. Feet on the bottom keep the rack firmly in place. Holes for bottles 1.75" in diameter.

Cat. No. 68BR4060 — *7 3/4" (W) x 10 1/8" (L) x 1 3/4" (H)*

Cryo-M-Bed

Embedding Compound, 113 ml, for frozen tissue specimens. Apply Cryo-M-Bed to specimen holder at ambient temperature, place specimen in the compound, then freeze. Cyro-M-Bed leaves no residue to discolor slide or section.

11 70 76	Cryo-M-Bed (113ml)	$57.00

Cryospray

Cryospray 134 instantly freezes and hardens tissue specimens for sectioning, faster than conventional refrigerants. Assures a rapid freeze for -52 C; Ultra filtered to 0.2 microns. 300ml spray can.

11 70 77	Cryospray (300ml)	$40.00

Low Temperature Oil

Low Temperature oil, 200ml, for lubrication of microtomes and remote control spindles.

11 70 25	Low Temperature Oil (200ml)	$78.00

Cryostat Consumables & Accessories also available online @ www.tidylabstore.com

Tidylab
www.tidylabstore.com

Formalin Baths

The Formalin or slush bath is ideal for tissue processing. Made from durable 1/2" acrylic and includes a lid with a handle. Designed to hold Tissue Tek® or Polaris® processing racks. Available in two sizes: Large holds two baskets, small holds one.

Formalin Bath - Large	*11 1/2" (w) x 9 1/2" (d) x 3 1/4" (h)*	*Cat. No. 68FBL*
Formalin Bath - Small	*6" (w) x 9 1/2" (d) x 3 1/4" (h)*	*Cat. No. 68FBS*

Tissue Cutting Boards

Made of non-porous polyethylene 1/2" material. The detachable legs added to bottom of cutting board raises the overall height to 3 1/2". Rubber caps prevent slipping. Available in two sizes.

Tissue Cutting Board - Small	*11" (w) x 12" (d) x 3 1/2" (h)*	*Cat. No. 68TCBS*
Tissue Cutting Board - large	*16" (w) x 23" (d) x 3 1/2" (h)*	*Cat. No. 68TCBL*

Biohazard Shields

Protect against splashing a keep materials more contained. Feet on the bottom keep the shield stationary. Manufactured from durable PETG, a scratch resistant and easy to clean material. Call for multi-unit discount pricing!

68BSS

68BSL

68BSXL

Biohazard Shield - Small	*11 1/2" (w) x 7 1/2" (d) x 15" (h)*	*Cat. No. 68BSS*
Biohazard Shield - Large	*15" (w) x 11 1/2" (d) x 23" (h)*	*Cat. No. 68BSL*
Biohazard Shield - Extra Large	*15" (w) x 11 1/2" (d) x 23" (h)*	*Cat. No. 68BSXL*

Duel Compressor Refrigeration
Renowned Performance

A Perfect Match

Bright OTF 5000 Microtome Cryostat

The Bright Family of Cryostats *from* Hacker

2212

Portable
Bench-Top
Micro-Cryostat

8250 & 9400

Electro-Linear Sledge Microtome
Full Body Cryostats

Clinicut

Free Standing Mobile
Clinical Microtome
cryostat